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10/812,189	03/30/2004	Minna Myllymaki	089229.00150	3342
32294 7590 02/08/2011 Squire, Sanders & Dempsey (US) LLP 8000 TOWERS CRESCENT DRIVE 14TH FLOOR VIENNA, VA 22182-6212				
EXAMINER HEIDER, SHANTELL LAKETA				
ART UNIT		PAPER NUMBER		
2617				
NOTIFICATION DATE		DELIVERY MODE		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/812,189

Applicant(s)

MYLLYMAKI ET AL.

Examiner

SHANTELL HEIBER

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 September 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-63 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-63 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-945)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-63 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-63 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rabe et al. (Rabe), U.S. Patent No. 5,764,730 in view of Herrero et al. (Herrero), U.S. Publication No. 2005/0009520.

Regarding Claims 1, 19, 32, 39 and 53, Rabe discloses a method, comprising:
receiving at least one registration request to register a user requesting a service in a network entity in a communication system (**i.e., the radiotelephone 303 registers with the radiotelephone network 301 the plurality of subscriber identities 306-308, therefore, the radiotelephone sends a registration request to the radiotelephone network for each subscriber identity; see Col. 9, lines 18-26**);

providing the network entity (**i.e., within the radiotelephone network 301; see Figure 3**) with control information indicating at least one limitation (**i.e., whether the subscriber identity is available to the radiotelephone 303 by examining the memory unit 305; see Col. 9, lines 27-45**) on a plurality of simultaneous registrations

(i.e., the determination is made before registering the subscriber identity; see Col. 9, lines 27-45), said control information indicating a restriction (i.e., the subscriber identity will not be registered if the determination is negative, the subscriber identity is not available to the radiotelephone; see Col. 9, lines 27-45) on a number of different contact addresses (i.e., each subscriber identity is associated with a phone number; see Col. 4, lines 2-5) that can be simultaneously registered (see Col. 4, lines 17-25) using a single public user identity (i.e., single subscriber radiotelephone; see Col. 8, line 66-Col. 9, line 2); and

controlling the registration based on the control information.

Rabe fails to disclose an internet protocol multimedia core network subsystem of a communication system.

In a similar field of endeavor, Herrero discloses a method and system for handling multiple registration. Herrero further discloses an internet protocol multimedia core network subsystem of a communication system. **see paragraph [0061]**

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine the teachings of Rabe with the teachings of Herrero to arrive at the claimed invention for having the convenience of multiple registrations active simultaneously where a user can receive calls in any of the registered terminals and further allowing delivery of internet multimedia services.

Regarding Claim 2, Rabe and Herrero disclose further comprising: determining that at least one user belongs to a same subscription (**Rabe-see Col. 8, line 66-Col. 9, line 11**).

Regarding Claims 3, 20, 33, 40 and 54, Rabe and Herrero disclose further comprising: checking whether at least one of said at least one limitation on simultaneous registrations would be infringed by allowing the registration **(Rabe-i.e., the determination is made before allowing registration for each subscriber identity; see Col. 9, lines 27-45).**

Regarding Claims 4 and 31, Rabe and Herrero disclose further comprising: denying the registration when the checking shows that at least one of said at least one limitation regarding the simultaneous registrations would be infringed by allowing the registration **(Rabe-if the determination is negative, the radiotelephone enters a normal idle mode; see Col. 9, lines 33-39).**

Regarding Claims 5 and 31, Rabe and Herrero disclose further comprising: allowing the registration request when the checking shows that none of the at least one limitation on simultaneous registrations would be infringed by allowing the registration **(Rabe-if the determination is positive, the radiotelephone registers the subscriber identity with the network; see Col. 9, lines 27-45).**

Regarding Claim 6, Rabe and Herrero disclose further comprising: indicating with the control information a number of the simultaneous user registrations allowed for a subscription **(Rabe-i.e., the number of subscriber identities available to the radiotelephone; see Col. 9, lines 29-32. Also, see Col. 4, lines 59-63 and Col. 6, lines 44-49).**

Regarding Claim 7, Rabe and Herrero disclose further comprising: indicating with the control information a maximum number of the simultaneous user registrations

allowed for a subscription (**Rabe- i.e., the number of subscriber identities available to the radiotelephone; see Col. 9, lines 29-32. Also, see Col. 4, lines 59-63 and Col. 6, lines 44-49).**

Regarding Claim 8, Rabe and Herrero disclose further comprising: indicating with the control information a limitation on a service type (**i.e., voice or data**) allowed for the simultaneous user registrations for a subscription (**Rabe-see Col. 8, lines 23-31).**

Regarding Claims 9, 26 and 29, Rabe and Herrero disclose further comprising: storing the control information in a user information storage entity (**Rabe-i.e., radiotelephone memory unit; see Col. 4, lines 59-63 and Col. 9, lines 33-35).**

Regarding Claims 10 and 27, Rabe and Herrero disclose wherein said storing comprises storing the control information in a home subscriber server (**Herrero-see paragraph [0090]).**

Regarding Claims 11 and 28, Rabe and Herrero disclose wherein the checking comprises checking in a user information storage entity (**Reba- i.e., radiotelephone memory unit; see Col. 4, lines 59-63 and Col. 9, lines 33-35).**

Regarding Claim 12, Rabe and Herrero disclose further comprising: sending a request for user subscriber information from said network entity (**i.e., I-CSCF**) to the user information storage entity (**Herrero-see paragraph [0099]).**

Regarding Claim 13, Rabe and Herrero disclose wherein the providing comprises providing the control information from the user information storage entity to said network entity (**Herrero-see paragraph [0100]).**

Regarding Claims 14 and 21, Rabe and Herrero disclose wherein the checking comprises checking in the network entity (**Herrero-see paragraphs [0099] and [0100]**).

Regarding Claim 15, Rabe and Herrero disclose wherein said receiving comprises receiving the registration request in at least one of a serving controller and an interrogating controller (**Herrero-see paragraph [0078]**).

Regarding Claims 16, 23, 35 and 42, Rabe and Herrero disclose wherein the receiving comprises receiving the registration request in the serving controller, and wherein the serving controller comprises a serving call session control function (**Herrero-see paragraphs [0078] and [0079]**).

Regarding Claims 17, 24, 36 and 43, Rabe and Herrero disclose wherein said receiving comprises receiving the registration request in the interrogating controller, and wherein the interrogating controller comprises an interrogating call session control function (**Herrero-see paragraphs [0072] and [0078]**).

Regarding Claims 18, 37, 44 and 55, Rabe and Herrero disclose further comprising: counting the simultaneous registrations of the contact addresses (**Rabe- i.e., determine which subscriber identities are active in the network; see Col. 9, lines 51-55 and Col. 4, lines 2-5**).

Regarding Claim 22, Rabe and Herrero disclose wherein the network entity comprises at least one of a serving controller and an interrogating controller (**Herrero-see paragraphs [0075] and [0078]**).

Regarding Claim 25, Rabe and Herrero disclose further comprising: a storing unit (**i.e., memory unit**) configured to store the control information associated with at

least one of said at least one limitation regarding the simultaneous registrations of contact addresses (**Rabe-see Col. 9, lines 29-45 and Col. 4, lines 2-5**).

Regarding Claim 30, Rabe and Herrero disclose wherein a serving controller comprises the storing unit (**Herrero-see paragraph [0079]**).

Regarding Claims 34 and 41, Rabe and Herrero disclose wherein the apparatus comprises at least one of serving controller means, interrogating controller means, or internet protocol multimedia core network subsystem means **Herrero-see paragraphs [0072], [0075], [0078] and [0079]**.

Regarding Claim 38, Rabe and Herrero disclose further comprising: indicating with the control information at least one limitation on simultaneous registrations by the contact addresses in relation to one network (**Rabe-see Col. 4, lines 2-5 and Col. 9, lines 27-45**).

Regarding Claims 45 and 56, Rabe and Herrero disclose wherein contact information is assigned to the individual contact addresses (**Herrero-i.e., private ID; see paragraph [0090]**) to represent a network address (**Herrero-see paragraph [0102]**) of the corresponding user equipment used to register with the network entity.

Regarding Claims 46 and 57, Rabe and Herrero disclose wherein a plurality of contact addresses (**Herrero-i.e., private IDs; see paragraph [0090]**) are registered to access at least one service under a single subscription (**Herrero-public ID; see paragraph [0090]**) registered with the network entity.

Regarding Claims 47 and 58, Rabe and Herrero disclose wherein a subscriber is registered with the network entity as being subscribed to a plurality of subscriptions for services (**Herrero-see paragraph [0090]**).

Regarding Claims 48 and 59, Rabe and Herrero disclose wherein at least one private user identity is registered with the network entity as representing a subscriber of a plurality of subscriptions for services (**Herrero-see paragraph [0093]**).

Regarding Claims 49 and 60, Rabe and Herrero disclose wherein a public user identity (i.e., **public user identity 1**) is used to represent a plurality of private user identities (i.e., **private user identity 1 and private user identity 2**) (**Herrero-see paragraph [0090]**).

Regarding Claims 50 and 61, Rabe and Herrero disclose wherein a private user identity is used to represent a plurality of public user identities (**Herrero-see paragraphs [0090] and [0093]**).

Regarding Claims 51 and 62, Rabe and Herrero disclose wherein a single public user identity is used to represent a plurality of contact addresses operating a corresponding plurality of user equipments which are simultaneously registered with the network entity under a single subscription registered with the network entity as the single public user identity (**Herrero-see paragraphs [0090] and [0095]**).

Regarding Claims 52 and 63, Rabe and Herrero disclose wherein the registration is controlled based on contact information assigned to the individual contact addresses (**Rabe-see Col. 9, lines 27-45**).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SHANTELL HEIBER whose telephone number is (571)272-0886. The examiner can normally be reached on Monday-Friday 9:00am-5:30pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edouard Patrick can be reached on 571-272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Shantell Heiber/
Examiner, Art Unit 2617
January 29, 2011
/Patrick N. Edouard/
Supervisory Patent Examiner, Art Unit 2617